

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	924	dipole\$1 and (dipole\$1 antenna\$2) same (dual plural\$ multiple\$1 different\$2 several\$3 divers\$4) near3 band\$1	USPAT	OR	OFF	2008/01/09 12:55
S2	307	dipole\$1 and (dipole\$1) same (dual plural\$ multiple\$1 different\$2 several\$3 divers\$4) near3 band\$1	USPAT	OR	OFF	2008/01/09 13:30
S3	91	S2 and (microstrip\$3 micro-strip\$4)	USPAT	OR	OFF	2008/01/09 12:56
S4	197	dipole\$1 and (dipole\$1) same (dual plural\$ multiple\$1 different\$2 several\$3 divers\$4) near3 band\$1 near15 frequenc\$3	USPAT	OR	OFF	2008/01/09 14:21
S5	197	dipole\$1 and (dipole\$1) same (dual plural\$ multiple\$1 different\$2 several\$3) near3 band\$1 near15 frequenc\$3	USPAT	OR	OFF	2008/01/09 14:21
S6	164	dipole\$1 and (dipole\$1) same (dual plural\$ multiple\$1 different\$2 several\$3) near3 band\$1 near3 frequenc\$3	USPAT	OR	OFF	2008/01/09 14:22
S7	41	dipole\$1 and (dipole\$1) same (dual plural\$ multiple\$1 different\$2 several\$3) near3 band\$1 near3 frequenc\$3.ab,clm.	USPAT	OR	OFF	2008/01/09 14:22
S8	2	dipole\$1 and (dipole\$1) same (dual plural\$ multiple\$1 different\$2 several\$3) near3 band\$1 near3 frequenc\$3 near8 (separat\$4 discrete\$1).ab,clm.	USPAT	OR	OFF	2008/01/09 15:09
S9	63	S6 and @ad<="19990901"	USPAT	OR	OFF	2008/01/09 15:09
S10	23	S7 and @ad<="19990901"	USPAT	OR	OFF	2008/01/09 15:09
S11	2	((("5867131") or ("6239765"))).PN.	USPAT	OR	OFF	2008/01/11 14:29
S12	0	S11 and (microstrip\$ micro-strip\$)	USPAT	OR	OFF	2008/01/11 14:30
S13	69	dipole\$1 near15 (microstrip\$ micro-strip\$) and (rfid\$2 transponder\$1)	USPAT	OR	OFF	2008/01/11 14:30
S14	67	dipole\$1 near10 (microstrip\$ micro-strip\$) and (rfid\$2 transponder\$1)	USPAT	OR	OFF	2008/01/11 14:30
S15	35	dipole\$1 near6 (microstrip\$ micro-strip\$) and (rfid\$2 transponder\$1)	USPAT	OR	OFF	2008/01/11 14:38
S16	27	S15 and (multiple\$1 plural\$5 dual different\$4) near8 (frequenc\$3 band\$1)	USPAT	OR	OFF	2008/01/11 14:31

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S17	1	(dipole\$1 microstrip\$ micro-strip\$) and "6466131".PN.	USPAT	OR	OFF	2008/01/11 22:48
S18	1	(dipole\$1 microstrip\$ micro-strip\$) and "20040178912".PN.	US-PGPUB; USPAT	OR	OFF	2008/01/11 23:44
S19	1	(frequenc\$3 band\$1) and "20040178912".PN.	US-PGPUB; USPAT	OR	OFF	2008/01/12 00:08
S20	233	(frequenc\$3 band\$1) same horizontal\$ near25 vertical\$4 near25 dipole\$1	US-PGPUB; USPAT	OR	OFF	2008/01/12 00:09
S21	123	S20 and @ad<"19990902"	US-PGPUB; USPAT	OR	OFF	2008/01/12 13:48
S22	57	(frequencies bands) same horizontal\$ near25 vertical\$4 near25 dipole\$1	US-PGPUB; USPAT	OR	OFF	2008/01/12 00:09
S23	39	S22 and @ad<"19990902"	US-PGPUB; USPAT	OR	OFF	2008/01/12 00:10
S24	2	S23 and (microstrip\$ micro-strip\$)	US-PGPUB; USPAT	OR	OFF	2008/01/12 00:16
S25	37	S23 not S24	US-PGPUB; USPAT	OR	OFF	2008/01/12 00:59
S26	3	((("5726630") or ("5537105") or ("4692769"))).PN.	USPAT	OR	OFF	2008/01/12 00:59
S27	233	(frequenc\$3 band\$1) same horizontal\$ near25 vertical\$4 near25 dipole\$1	US-PGPUB; USPAT	OR	OFF	2008/01/12 14:48
S28	123	S27 and @ad<"19990902"	US-PGPUB; USPAT	OR	OFF	2008/01/12 14:48
S29	2	S28 and wave\$5 near3 transmission adj line\$1	US-PGPUB; USPAT	OR	OFF	2008/01/12 13:48
S30	5774	(frequencies band\$1) same dipole\$1	US-PGPUB; USPAT	OR	OFF	2008/01/12 14:49
S31	2231	S30 and @ad<"19990902"	US-PGPUB; USPAT	OR	OFF	2008/01/12 14:49
S32	2231	S31 and @ad<"19990902"	US-PGPUB; USPAT	OR	OFF	2008/01/12 14:49
S33	247	S32 and microstrip\$	US-PGPUB; USPAT	OR	OFF	2008/01/12 14:49
S34	1574	(frequencies bands) near15 dipole\$1	US-PGPUB; USPAT	OR	OFF	2008/01/12 14:50
S35	59	S33 and S34	US-PGPUB; USPAT	OR	OFF	2008/01/12 14:51
S36	59	S35 and dipole\$1	US-PGPUB; USPAT	OR	OFF	2008/01/12 14:51

## EAST Search History

S37	1	"6239765".pn. and (band\$1 frequenc\$3 dipole\$ microstrip\$ strip\$2 quarter wave\$1 "1/4" transmission line\$1)	USPAT	OR	OFF	2008/01/13 00:22
S38	1	"6239765".pn. and (band\$1 frequenc\$3 dipole\$ microstrip\$ strip\$2 quarter wave\$1 "1/4" transmission line\$1 Mhz Ghz)	USPAT	OR	OFF	2008/01/12 23:46
S39	7	("4686536"   "5539414"   "5764197"   "5767811"   "5798737"   "5918189"   "6107967"   "B1 6181283").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/13 00:14
S40	20	(band\$1 frequenc\$3) and dipole\$ same (quarter adj wave\$1 "1/4") near5 (transmission adj line\$1)	USPAT	OR	OFF	2008/01/13 00:56
S41	5	((("5867131") or ("4623894") or ("5900808") or ("5229782") or ("5182570")).PN.	USPAT	OR	OFF	2008/01/13 01:00
S42	2	S41 and (microstrip\$ micro-strip\$)	USPAT	OR	OFF	2008/01/13 01:05
S47	1	"5565858".pn. and antenna\$	USPAT	OR	OFF	2008/01/13 01:27
S48	3	("5565858" "7075412" "7005985").pn. and antenna\$ near10 ("one" single "same")	USPAT	OR	OFF	2008/01/13 01:43
S49	1	"5867131".pn. and resona\$	USPAT	OR	OFF	2008/01/13 01:43
S50	1	"5726630".pn. and (rfid\$2 identification rf radio)	USPAT	OR	OFF	2008/01/13 12:20
S51	133	"455"/\$.ccls. and (tune\$1 tuning) near15 batter\$3	USPAT	OR	OFF	2008/01/15 15:10
S52	2	"455"/\$.ccls. and (tune\$1 tuning) near15 batter\$3 near10 cover	USPAT	OR	OFF	2008/01/15 15:11
S53	0	antenna\$2 near15 (tune\$1 tuning) near15 batter\$3 near10 cover	USPAT	OR	OFF	2008/01/15 15:12
S54	0	antenna\$2 near25 (tune\$1 tuning) near15 batter\$3 near10 cover\$	USPAT	OR	OFF	2008/01/15 15:12
S55	48	antenna\$2 near25 (tune\$1 tuning) near15 batter\$3	USPAT	OR	OFF	2008/01/15 15:20
S56	0	"20040178912".pn. and (frequenc\$3 antenna\$2) near25 (tune\$1 tuning) near15 batter\$3	US-PGPUB; USPAT	OR	OFF	2008/01/15 15:21
S57	0	"20040178912".pn. and (frequenc\$3 antenna\$2) near25 (tune\$1 tuning) near25 batter\$3	US-PGPUB; USPAT	OR	OFF	2008/01/15 15:21
S58	1	"20040178912".pn. and (frequenc\$3 antenna\$2) near25 (tune\$1 tuning) near25 (power\$ batter\$3)	US-PGPUB; USPAT	OR	OFF	2008/01/15 15:26
S59	1	("5726630").PN.	USPAT	OR	OFF	2008/01/15 18:21

## EAST Search History

S63	1	"5900808".pn. and (balum balun)	USPAT	OR	OFF	2008/01/15 16:54
S64	0	"5726630".pn. and (batter\$3 active\$2)	USPAT	OR	OFF	2008/01/15 18:21